



Application : Pharma vial

Leaks to be detected : Integrity fault (stopper + crimped cap)

Specifications : Sample test, deterministic.
Reference : ISO 8871-5 (dye test)

Solution : Integrity tester ASC 7400F

Operation : Operator places the vial in the test chamber, brings down the upper part of the chamber and presses « Start ».

The instrument locks the test chamber and the cycle starts.

The test pressure (positive or vacuum) is established in the chamber.

After a short stabilisation, the pressure decay (ΔP) is measured.

This ΔP is compared to a reject level : a value above this limit indicates a non-conform integrity.

The red light comes on and the instrument stays locked.

To unlock it, the operator must press an “Unlock process” button.

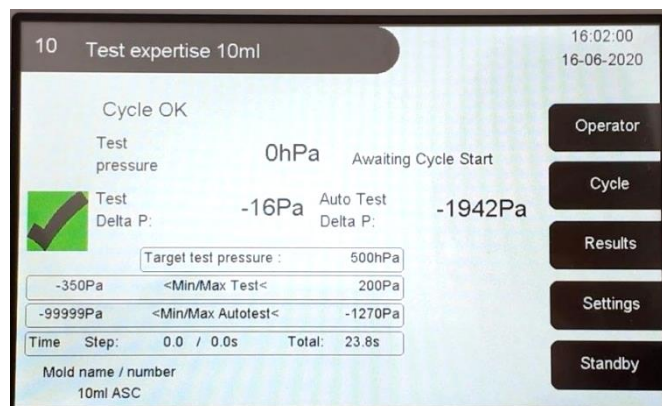


Pharma vial

A ΔP below the reject limit means the integrity level is correct. The instrument carries out a certification stage involving an *internal calibrated leak*, which validates the result instantly : the green light comes on and the chamber is unlocked.



ASC 7400F – Integrity tester for vials/syringes



Screen showing a correct integrity result :
 $\Delta P = -16 Pa$ for a reject level at $-350 Pa$

Cycle time : approx. 10-20 s

Typical reject level : according to standard (ISO 8871-5, ASTM F2338-09, ...) or any “in-house” standard. (Transposition report at request.)